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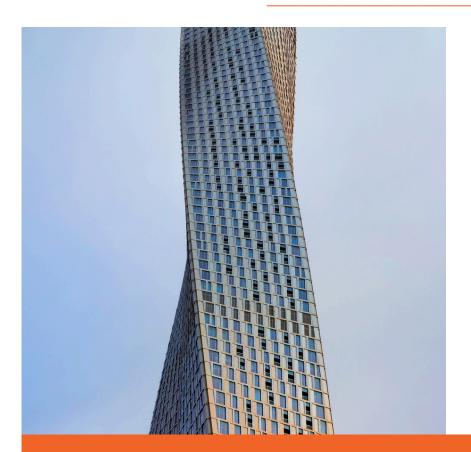
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SmartCrete CRC has endeavoured to ensure that the information in this publication is correct. This report has been prepared to align with SmartCrete CRC's Commonwealth Agreement, referencing the outcomes, activities, participants and the other matter as at 30 June 2025, unless it is otherwise specified in the document.

SmartCrete CRC Limited is funded by the Commonwealth Government under the Cooperative Research Centre ("CRC") Program.



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SmartCrete CRC acknowledges Australia's First Nations Peoples as the Traditional Custodians of the lands on which we collaborate and innovate. In particular, we acknowledge the Wallumattagal clan of the Dharug Nation, the Traditional Custodians of the land on which our office is located. We pay our respects to Elders past, present, and emerging, and recognise their continuing connection to land, waters, and culture.

HIGHLIGHTS



\$66.8 million

of project investment (cash + in-kind) from Commonwealth, industry and universities



3

research programs: Sustainable Concrete, Engineered Solutions and Asset Management



53

research projects, of which 17 commenced during the reporting period



7

completed projects, of which 2 were completed in FY24-25



10

communities of practice



86

industry, government and research partners across Australia



6

decarbonisation webinars



1

Pathways to Sustainable Concrete funding round resulting in 6 new projects



65

PhD and master degree students

MESSAGE FROM THE CHAIR

It has been an exceptionally productive and positive year for SmartCrete CRC. We have now fully assigned our Commonwealth funding and remain firmly on track to exceed all financial and activity milestones outlined in our Commonwealth Agreement. This achievement is a testament to the dedication and collaboration of our partners and the strength of our collective commitment to transforming Australia's concrete industry.

Across our research portfolio, we are seeing outstanding examples of impact – from innovative low-carbon mix designs to improved durability and asset management practices. We've also continued to build a strong and engaged community of interest around our work, with growing participation at our events and communities of practice, reflecting the sector's enthusiasm for collaboration and change.

SmartCrete has also served as an important catalyst within the broader concrete ecosystem. Through close collaboration with key like-minded organisations – including Standards Australia, Concrete Institute of Australia, Cement Concrete & Aggregates Australia, and the Cement Industry Federation – we have supported national efforts to progress the sectoral decarbonisation roadmap and strengthen the foundations for long-term sustainability.

As we look to the future, it is clear that systemic barriers remain on the path to achieving net-zero concrete. SmartCrete is proud to be working alongside government, industry, and research partners to design a new innovation program that will address these barriers and accelerate the transition to a low-carbon future.

Together, we are proving that collaboration is the key to innovation – and that a sustainable concrete future for Australia is within reach.



Emeritus Professor Elizabeth Taylor AO FAICD Independent Chair

Systemic barriers remain on the path to achieving netzero concrete. SmartCrete is proud to be working alongside government, industry, and research partners to design a new innovation program that will address these barriers and accelerate the transition to a low-carbon future.

MESSAGE FROM THE CEO

This year has marked an important evolution for SmartCrete CRC. Having successfully established a diverse and ambitious research portfolio, our focus has shifted from building to delivering – ensuring that each project achieves high-impact, real-world outcomes for Australia's concrete ecosystem.

Across our portfolio, we are seeing the translation of research into practice. Projects are demonstrating innovative low-carbon concrete mix designs, exploring modern methods of construction such as 3D printing and prefabrication, and advancing next-generation sensing and data analytics tools to improve asset performance and management. Together, these efforts are showing how innovation can directly support decarbonisation, durability, and productivity across the sector.

We have been particularly impressed by the innovation-readiness of our partners and their deep commitment to collaboration. Our industry partners, including a strong cohort of SMEs, continue to invest time, expertise, and resources to test and apply research outcomes in practical settings, while our research partners are delivering outstanding work that draws on world-class facilities and talent.

This level of engagement has been instrumental in ensuring that SmartCrete's projects are both technically rigorous and strongly aligned with industry needs.

I would like to extend my sincere thanks to our partners for their ongoing belief in our mission, and to the SmartCrete team for their professionalism, creativity, and unwavering commitment. Together, we are delivering outcomes that strengthen Australia's concrete capability today, while laying the foundations for a smarter, cleaner, and more sustainable future.

Our legacy is substantive, underscoring the need for continued collaboration with government to secure new funding that overcomes market, regulatory and skills barriers and drives the transition to a decarbonised, resilient concrete sector.



Clare Tubolets
CEO, SmartCrete CRC

We are delivering outcomes that strengthen Australia's concrete capability today, while laying the foundations for a smarter, cleaner, and more sustainable future.

IMPACT AND COLLABORATIONS

Hugh Ong Portfolio Director

In an industry responsible for producing the world's most-used building material and some 6-8% of global emissions, SmartCrete CRC exists to invest Commonwealth funding alongside industry co-funding and university in-kind contributions into a portfolio of projects that transition concrete for a sustainable Australia.

These projects support a resilient concrete industry, position Australia as a global leader in construction innovation, and accelerate the sector's progress towards net-zero targets.

This year, our projects have continued to advance collaborative research to drive real impact, bringing together stakeholders from all corners of the concrete ecosystem – manufacturers, designers, engineers, builders, researchers, end users and beyond.

Portfolio composition

With 2 years remaining for SmartCrete CRC, partner funding is now almost fully allocated towards innovative research projects. The portfolio now has the most simultaneous inflight projects since the beginning of the CRC. This achievement has been the result of the numerous funding round campaigns, industry engagement

and project development activities performed by the SmartCrete team.

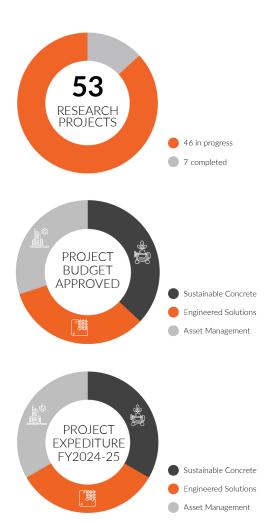
While this financial year saw the completion of 2 projects, the number of completed projects will increase significantly in the next financial year to an expected total of 17.

Commercialisation and IP

The focus of portfolio operations has shifted from new project development to supporting the successful delivery of research projects and their key outputs.

At this late stage of the CRC, the team is prioritising supporting the post-project activities with partners towards commercialisation and adoption of research outputs. These activities include communicating outcomes, scaling and operationalising, or adopting the outputs from the research.

From the 7 completed projects, IP that is currently in the process of commercialisation includes sensors and sensor interrogators to monitor corrosion in sewers. Another involves taking a solution for ground stabilisation using recycled concrete aggregate and incorporating it into proposals for infrastructure projects in Victoria.



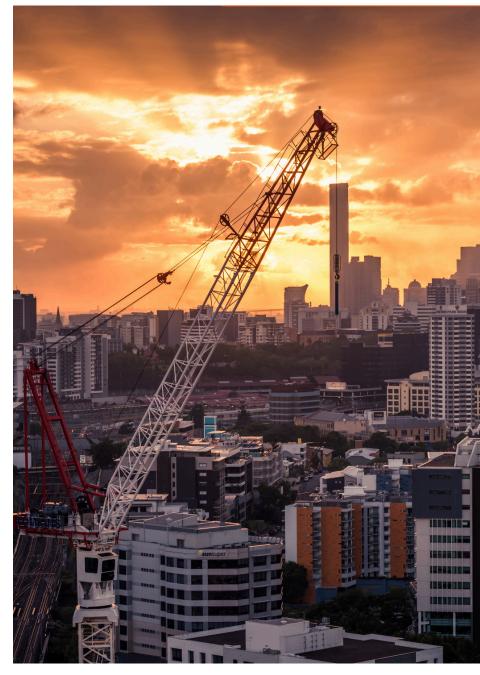
SME engagement

Recognising small and medium enterprises as vital drivers of innovation, the economy and jobs in Australia, SmartCrete CRC actively supports the growth and sustainability of 37 SMEs through our projects.

We partner with bold small businesses such as Oasis Building Group who are developing affordable 3D printed housing in Ballarat and industry disruptors such as Canenviro Innovations who are revolutionising precast with a geopolymer concrete.

We also partner with medium enterprises such as Hawks Excavation, LTE Structures and PSA Group as they continue to innovate to future-proof their competitiveness.

By co-funding their innovations, we support SMEs to gain access to new markets and to continue supplying local jobs. Through our supporting communications activities such as webinars and communities of practice, our SME partners gain valuable opportunities for knowledge transfer with industry peers.



SUSTAINABLE CONCRETE



• drive the development of standards.

- adoption for footpaths.
- Some projects have completed field trials, including one using coal bottom ash as cement replacement and another using crushed glass in road base.
- Several projects are moving towards field trial stages, including lower carbon materials like calcined clay and novel minerals.

SUSTAINABLE CONCRETE CASE STUDY

Alum Sludge for Durable and Sustainable Concrete

Every year, Australia's water utilities produce large amounts of alum sludge as a by-product of the drinking water treatment process. This toxic sludge is typically

disposed of in landfills for a large fee when it could

potentially be a useful and valuable material.

Transporting alum sludge to landfills is also expensive and produces carbon emissions that contribute to climate change. Australia's water authorities need a better solution for alum sludge disposal.

The solution

This project sees South Australia's water authority exploring the potential to recycle alum sludge as a building material. By using alum sludge as a binder in concrete, alum sludge replaces concrete's most emissions intensive ingredient: cement.

"Our research into repurposing alum sludge as a cement replacement represents a significant step toward more sustainable water and construction industries. By turning this waste into a valuable construction material, we can help reduce environmental and economic costs to the Australian public while helping the nation meet its net-zero goals and obligations by 2050. This work has the potential to reshape how utilities and the precast industry think about resource recovery – transforming what was once a waste management challenge into an opportunity for innovation and environmental benefit."

-Alexandra Keegan, Senior Research Program Manager, SA Water The project showed that alum sludge can be successfully used to produce concrete blocks and pavers with adequate strength for building purposes.

It also showed that alum sludge can be used as a cement and sand replacement in concrete subjected to the acidic environments of a sewer pipe – demonstrating its application in wastewater infrastructure.

The impact

If alum sludge can be used as a commercially viable cement replacement, this would solve a major waste management challenge and lead to significant emissions reductions.

New corrosion-resistant concrete products would make water infrastructure last longer – reducing the emissions, costs and waste associated with building new.

What's next

This project will deliver a report into the varying qualities of alum sludge across Australia and how this affects the performance of alum sludge as a cement replacement.

In doing so, it lays the groundwork for SA Water to continue to develop alum sludge as a cement replacement product, especially for the network of concrete pipes it owns and operates.



Project Partners

SA Water; University of South Australia

Duration

1 Aug 2022 - 31 Jul 2025

Value (Cash + in-kind)

\$541,127



ENGINEERED SOLUTIONS



- optimise supply chains
- support quality control and certification.

- investigation.
- Several projects are led by industry groups such as the Australian Engineered Fasteners and Anchors Council (AEFAC) and the Foundations and Footings Society of Victoria (FFSV). By representing their sectoral members, these industry groups lend considerable technical expertise and support the adoption of the outcomes of the projects and their innovations.

Pioneering AI for Quality Control in Precast Concrete

Like many precast concrete manufacturers, Sunset Sleepers faces mounting pressure from rising production costs and skills shortages. One critical area for improvement is quality control: the process of inspecting concrete sleepers for strength, consistency, and compliance with Australian and international standards.

Traditionally, this inspection is performed manually by human operators. It's slow, labour-intensive, and prone to human error. Many precast companies face similar inefficiencies, relying on outdated processes that limit productivity and profitability.

Recognising this challenge, SmartCrete CRC is supporting Sunset Sleepers in an industry-leading project to modernise quality assurance through automation and artificial intelligence.

"The support we received from SmartCrete CRC has been instrumental in helping our company develop and validate our lloT quality control system. This system will have immediate benefits to our business—saving our workers time, improving the accuracy of inspections, and reducing operational costs.

Most importantly, with its machine learning capabilities, this technology will support continuous improvement of precast manufacturing to make our business competitive and sustainable in the long term. As pioneers of this advanced manufacturing technology, we see this as setting a new standard that the broader precast industry will soon adopt."

- Miguel Donnenfeld, Director at Sunset Sleepers

The solution

In a collaboration with Sunset Sleepers and Swinburne University of Technology, we are developing an Alpowered automated quality control system designed to replace manual inspections. This advanced manufacturing technology scans every sleeper inline to automatically detect and report cracks, chips, surface inconsistencies, and other defects in real time.

The system goes beyond quality control as we know it. By integrating industrial internet of things (IIoT), machine vision and AI, it also analyses the data it collects to understand how and why defects occur. Over time, this intelligence will feed back into process optimisation, enabling continuous improvements and reducing defect rates at the source.

The impact

Automating quality control delivers immediate gains in accuracy, speed, and consistency. Fewer defects mean fewer returns, less rework, and significant cost savings for companies like Sunset Sleepers. If widely adopted, this technology could transform Australia's precast industry, helping thousands of businesses cut costs, boost productivity, and stay competitive.

The benefits extend to the environmental and social. Producing fewer defective sleepers reduces waste sent to landfill and lowers the embodied emissions associated with manufacturing replacements. In a sector grappling with skills shortages, automation also frees up skilled workers to focus on higher-value tasks such as system maintenance, design, and process innovation.

What's next

Following the successful completion of this project which puts the system in operation for a 4-week pilot, Sunset



Project Partners

Sunset Sleepers; Swinburne University of Technology

Duration

15 Jan 2025 - 14 Jan 2026

Value (Cash + in-kind)

\$357,373

Sleepers plans to adopt the system across its operations. The results could inspire other precast manufacturers to follow suit, accelerating the commercial rollout of Aldriven quality control across the sector.

By embracing advanced manufacturing technologies, projects like this are helping future-proof Australia's precast concrete industry, making it smarter, more sustainable, and globally competitive.



ASSET MANAGEMENT



To protect and maintain the health of Australia's infrastructure, the program:

- supports concrete health monitoring and maintenance
- fast-tracks sensor development and data analytics
- · develops digital twins and predictive modelling.

- improving cathodic protection of concrete bridge reinforcements.
- Several projects have progressed from developing sensors to building the analytical and decision support tools which harness their data.
- Field deployment of sensors continues to be a key focus, stress testing their robustness and defining operational requirements.

Digital Twins for Intelligent Management of Bridges

Australia's road and bridge infrastructure is rapidly aging. Of the nation's 35,000 bridges, many were built between the 1950s and 1980s, and are increasingly at risk of sudden failure, costly repairs, or full rebuilds.

These bridges require regular maintenance through monitoring, which is traditionally conducted via manual inspections. This approach is time-consuming, expensive, and prone to human error, creating an urgent need for smarter, more efficient solutions.

The solution

Led by RMIT University, this project is transforming infrastructure maintenance by delivering a fully functional digital twin maintenance tool ready for industry application and accompanying national practice guides.

Delivered in collaboration with Australia's two largest transport authorities and validated on bridges in Victoria and New South Wales, the technology uses real-time sensor data and AI to detect faults early and even predict maintenance needs.

"This complex multidisciplinary project has delivered AI-driven predictive maintenance tools that empower infrastructure owners to enhance asset longevity, safety, and sustainability. The success of this project is a testament to the power of collaborative research to deliver real innovation with lasting impact on the built environment that supports our lives."

-Chief Investigator Associate Professor Mojtaba Mahmoodian, RMIT University The digital twin framework integrates multiple technologies, including:

- Artificial intelligence and deep learning for crack detection
- Novel sensor technology
- Advanced visualisation techniques
- Fast finite element models for real-time assessment
- Laser scanning and image processing

The impact

With the Victorian Department of Transport and Transport for New South Wales already integrating digital twins into their asset management practices, this technology has the potential to be scaled across Australia's 800,000 km road network. It will reduce the risk of failure, improve safety, reduce service disruptions for maintenance and repairs, extend asset life, and save millions of taxpayer dollars annually.

The environmental benefits are clear. The longer old bridges can be kept in operation safely, the further we can reduce the need to build new bridges, which reduces waste and carbon emissions.

This technology can be extended to further industries beyond bridges and roads to include buildings, energy infrastructure, utilities sewer pipes, and much more.

What's next

Several project partners are continuing the work of developing digital twins for intelligent asset management for bridges and beyond.

To commercialise the digital twin technology developed in this study, MacDonald Consultancy and RMIT have



Project Partners

RMIT University; Curtin University; University of Technology Sydney; Western Sydney University; Victorian Dept. of Transport; Transport for NSW; Melbourne Water Corporation; MacDonald Lucas Pty Ltd; Lastek Pty Ltd; Shenzen Upward Technology Co Ltd; Ash Development Association of Australia; Bentley Systems Pty Ltd; Beta International Associated Pty Ltd

Duration

1 Apr 2024 - 31 Mar 2026

Value (Cash + in-kind)

\$3.071.564

submitted a new Cooperative Research Centres Projects (CRC-P) proposal. Project partners from RMIT and Beta International Associates are leveraging project outcomes in a new CSIRO co-funded initiative to develop Alenhanced tools targeting the infrastructure, mining, and water sectors.



STAKEHOLDER ENGAGEMENT AND COMMUNICATIONS

Natalie Satakovski Corporate Communications & Media Manager



This financial year has seen our CRC continue to engage and communicate with stakeholders across industry, research and government, acting as a catalyst for change towards a more sustainable concrete sector.

Webinar series: Market Barriers to Decarbonisation

We have hosted a 6-part series on topics related to the barriers to net zero such as Defining Embodied Carbon, Fast-Tracking Decarbonisation and Sustainability-Led Procurement. Each hour-long webinar featured presentations from 3 experts from diverse organisations across the sector, from Standards Australia to a 3D concrete printing start-up.

The series got a total of 1089 registrations (averaging 181 each) who either attended in real-time or received the video recording to view later. We are gathering the expert perspectives shared to produce a series of insight papers for release in the following financial year.

Concrete Institute of Australia Roadshow

Our CEO Clare Tubolets represented SmartCrete CRC on a roadshow called Low Carbon Concrete: Design, Specification & Construction. With fellow presenters Warren South (Valkokivi) and David Law (Aurecon), Tubolets toured Sydney, Melbourne, Brisbane, Adelaide and Perth. Tubolets presented on Pathways

to Sustainability, discussing the Australian concrete sector's decarbonisation roadmap, and the market barriers and enablers to net zero.

Events

Our CEO Clare Tubolets, Research Director Vute Sirivivatnanon and Portfolio Director Hugh Ong represented SmartCrete CRC by presenting at 13 events across Australia including Decarbonising the Built Environment, Swinburne Workshop on Advances in Concrete 3D and Western Sydney Manufacturers Forum. SmartCrete CRC also hosted its final SmartCrete Connect at the University of Newcastle, where 3 experts spoke on new possibilities for waste materials in concrete.

SmartCrete CRC also collaborated with the University of Technology Sydney, Boral and MECLA on Turning Recycled Concrete Aggregate into Carbon Sink, a workshop demonstrating a cost-effective technology for carbon storage. In collaboration with Design Matters National, SmartCrete hosted tours of two partner university engineering laboratories.

Publications

We've contributed submissions to government issues papers such as to the NSW Environmental Protection Authority's Protection of the Environment Policy for Sustainable Construction and DISR's Strategic Examination of Research and Development. This year

we've had a further 44 instances of media coverage including articles in publications such as *Concrete In Australia Magazine*, *The Fifth Estate*, *Green Review* and more.





Social media and newsletter

SmartCrete CRC grew its LinkedIn page followers by over 600 to a total of 2636. By posting daily to update our community on our activities and relevant sector news, we had an average engagement rate of 10.67% per post – well above the external average of 2-5%. We also published our newsletter, *smartcrete news*, fortnightly to promote our events and activities and share relevant industry news. We grew our newsletter subscriber list by 662 to a total of 1949 and had an average open rate of 39% – well above the external average of 25%.

Community of practice

This year, we've continued to run our community of practice. Each month, the practice meets online via Microsoft Teams to discuss a topic inspired by one of our projects. Two-three project leads from industry and research collaborators deliver short presentations about their work and are followed by a Q&A where we open the floor to attendees to ask questions and share perspectives. The community of practice has also grown from 25 registrations (Jul 24) to 144 registrations (Jun 25).

Students & research fellows

Supported by our communications activities, SmartCrete's cohort of 65 students and research fellows has become a thriving community. Beyond the support and opportunities provided through our education program, each early career researcher has their own page on our website including an interview about their experience, research projects and future ambitions. They are further engaged through our social media, newsletter and communities of practice which celebrate their achievements and connect them with professional networks. Our students win awards, present at conferences and secure new roles, all while gratefully acknowledging the support they've received through our CRC.

STUDENT PROFILE



Dr Weiwei Duan is a research assistant at the University of South Australia working on a SmartCrete CRC project in close collaboration with industry partner SA Water. His PhD was awarded the Australian Water Association's Student Water Prize and looked into reusing water treatment waste as a highly durable and corrosion-resistant construction material for concrete sewer pipes. Dr Duan also works as a researcher for Hallett Group where he develops eco-friendly solutions for the concrete industry.

SECTORAL CAPABILITY DEVELOPMENT

Estelle Clapham
Education Manager

SmartCrete CRC's Education Program continues to play a pivotal role in supporting the next generation of researchers, innovators, and industry professionals within Australia's concrete and construction sectors. The financial year has seen significant growth across our education initiatives, partnerships, and engagement activities – all aimed at ensuring students are equipped with the skills, networks, and confidence needed to transition successfully from academia to industry.

Expanding our education community

This year, 30 new PhD and master degree students joined the SmartCrete CRC Education Program, bringing our total to 65 active participants. To foster ongoing connection and engagement, we launched the SmartCrete Education Community – an online LinkedIn group complemented by bi-monthly coffee catch-ups. These informal sessions have created a strong sense of community, encouraging collaboration, knowledge sharing, and peer support.

Future Concrete Leaders series

In partnership with GHD, SmartCrete launched the Future Concrete Leaders sessions in Sydney. These events brought together industry experts, academics, and HDR students to discuss real-world applications, leadership development, and the future of concrete innovation. The sessions provided a platform for practical learning, networking, and collaboration.

New partnership with the Concrete Institute of Australia (CIA)

SmartCrete CRC joined forces with the CIA's NEXGen community to strengthen connections between emerging and established professionals in the concrete industry. This collaboration saw the successful launch of the *Said in Concrete* podcast and the NEXGen Mentorship Program – a new peer-to-peer mentoring initiative that connects higher degree by research students with early to mid-career industry professionals.

Foundation to Future PD series

To further support our student community, SmartCrete CRC developed a professional development series Foundation to Future focused on key career skills such as networking, project management, effective communication, and presentation delivery. These resources, ready for rollout in the following financial year, are designed to ensure our students are "industry ready" – capable of translating their academic expertise into real-world impact.

Innovation Insights

Through 36 Innovation Insights shared across our platforms, SmartCrete reached an audience of over 40,000+ people. These stories have showcased the research, progress, and human impact of our projects,

highlighting the incredible work being done across our network of scholars and industry partners.

Student success

Three students involved in our SmartCrete CRC projects have transitioned into industry roles upon completing their theses, reflecting the strong industry relevance of their research.





CRC FUTURE PLANS AND TRANSITION ARRANGEMENTS

As SmartCrete CRC approaches its conclusion in June 2027, a clear picture has emerged of both the progress achieved and the persistent systemic barriers that continue to constrain the decarbonisation of concrete in Australia. Our work with industry, government, and researchers has demonstrated that while significant technical innovations have been achieved at the material and manufacturing level, the broader market, regulatory and skills frameworks remain misaligned with the pace and scale of transformation required.

Across the sector, market fragmentation continues to limit the commercial uptake of low-carbon concrete technologies. Procurement frameworks are risk-averse, cost-driven, and inconsistent across jurisdictions, creating disincentives for the specification and use of sustainable products. Regulatory settings, particularly around standards and certification, have not kept pace with innovation, while skills shortages and limited capability in sustainable design and construction further constrain change.

Through SmartCrete's engagement with over 100 partner organisations, it has become evident that achieving net-zero concrete is not a materials challenge alone – it is a system-wide transformation challenge. This insight has underpinned the development of a new national collaboration model: the Concrete Sustainability Alliance (CSA). The CSA is envisioned as a cross-sector innovation partnership

that will build on SmartCrete's legacy to coordinate national effort, align regulatory and market levers, and invest in workforce capability to accelerate the transition to net-zero concrete.

Over the past year, SmartCrete has made significant progress in advancing this vision. We have worked with industry partners and government stakeholders to design the program framework, define its priorities, and identify potential funding pathways. Discussions with the Department of Industry, Science and Resources have begun to explore alignment with future national decarbonisation initiatives. This collaborative groundwork ensures that as SmartCrete CRC concludes, the momentum and partnerships it has built will continue to drive innovation and impact through a new, enduring system-based program for Australia's concrete future.

Henrietta Tan Head of Strategy and Sustainability, SmartCrete CRC



ABOUT SMARTCRETE CRC

We are a catalyst for change

SmartCrete is an independent, for-impact cooperative research centre (CRC) that empowers innovation collaborations to transition concrete for a sustainable Australia.

Working with manufacturers, architects, engineers, developers, asset owners and government, we invest \$21m of Commonwealth funding in university-delivered R&D projects that spur sustainable design, use and management of concrete.

Our strength lies in connecting Australia's concrete ecosystem, creating research opportunities and setting up mutually beneficial partnerships that accelerate material change, develop new technologies and promote best practice to decarbonise concrete and achieve net zero by 2050.



We believe in concrete innovation

OPEN COMMUNICATION

We are unapologetically bold.
We are open, honest and transparent. By doing so, we remove barriers, build trust and create an environment for research collaboration. And, we are not afraid of hard conversations along the way.

COLLABORATION

We embrace diversity, equality and inclusivity, and treat everyone with respect. We know that we are at our best when we work together, leveraging the "collective genius" of our stakeholders and the wider community.

INTEGRITY

We do what we say we will.

We are industry-led, act from a well-informed position and embrace sustainable business practices to achieve outcomes that propel Australia's concrete ecosystem forward. We don't lose sight of what's right for our innovation collaboration.

TRUE TO PURPOSE

Everything we do drives outcomes for community benefits – whether it's new technology or a different approach to producing, using and/or reusing concrete. We are looking for innovative, sustainable ideas that help transform Australia's built environment. Incremental won't cut it.

SMART THINKING

We are inquisitive, question the status quo and bring together smart people, who use their skills and expertise to make a difference and bring about change for a better, sustainable Australia.

THE TEAM BEHIND SMARTCRETE

Through open, honest and transparent conversations, SmartCrete CRC's management team and staff connect and collaborate with industry, research and government and the wider concrete ecosystem.



Clare Tubolets
Chief Executive
Officer



James Tarrant
Chief Financial
Officer



Hugh OngPortfolio Director



Prof Vute Sirivivatnanon Research Director



Henrietta Tan
Head of Strategy
and Sustainability



Natalie Satakovski

Corporate
Communications &
Media Manager



Caitlin MacPhail

Digital

Communications &

Events Manager



Estelle ClaphamEducation Manager



Camila JardimExecutive Officer



Lydia Gunawan

Project
Coordinator



Rob Hamper General Counsel

BOARD OF DIRECTORS

SmartCrete CRC is a not-for-profit company limited by guarantee. It was established under the Commonwealth Government's CRC Program in 2020 and is governed by an independent board of directors that oversees the organisation's research portfolio and work to drive the transition of concrete for a sustainable Australia. The board represents a broad range of industry, research and government expertise.



Emeritus Prof Elizabeth Taylor (AO) Independent Director, Chair of the Board



Stephen Harmer
Independent Director
Deputy Chair of the
Board



Dr Gunilla Burrowes Independent Director, Chair of the Investment and Impact Committee



Dr Ross HarperIndependent Director



Catherine Ferrari
Independent Director,
Chair of the Culture,
People and Stakeholders
Committee



Elizabeth Whitelaw
Independent Director,
Chair of the Finance,
Audit and Risk Committee

PARTICIPANTS

Core

















Research













PARTICIPANTS

Industry and Government











































































































































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